

# ABSTRACT

Different bits in a payload of data to be transmitted from a sending application receive different classes of treatment. The payload data is divided into a first group of bits associated with a first treatment class and a second group of bits associated with a second treatment class. A first packet is created which includes the first group of bits and a first header that identifies the first packet with the first treatment class. Similarly, a second packet is created that includes the second group of bits and second header that identifies the second packet with the second treatment class. Using the first header, the first packet is mapped to a first communications bearer, (e.g., a radio bearer), that is configured to support the first treatment class. Using the second header, the second packet is mapped to a second communications bearer which is configured to support the second treatment class.